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Publications of the

The Society has lost the following members through death:

R. W. WATERMAN, JOHN LE CONTE,
GEORGE JEWETT HICKS.

Owing to the temporary closing of the rooms of the Mercantile Library, it was

Resolved: That the Library Committee be empowered to remove the books belonging to the Library of the Society to the new rooms at No. 819 Market Street.

It was ordered that a catalogue of the books in the Library of the Society be printed.

The Treasurer presented his bi-monthly report, which was received and filed. Adjourned.

MINUTES OF THE MEETING OF THE ASTRONOMICAL SOCIETY
OF THE PACIFIC, HELD AT THE LICK OBSERVATORY,
JUNE 13TH, 1891.

President PIERSON being absent, Vice-President SCHAEBERLE presided.

The minutes of the last meeting, as printed in the *Publications*, were approved.

A list of presents was read by the Secretary, and the thanks of the Society voted to the givers.

The Secretary read the names of members duly elected at the meeting of the Directors.

The following papers were presented and taken as read:

a. The Solar Eclipse of June 6, 1891, by ORRIN E. HARMON, of Chehalis, Washington.

b. The Thermometric Chronometer of the Lick Observatory, by A. O. LEUSCHNER, of Berkeley.

c. Review of Miss CLERKE's "The System of the Stars," by GEORGE E. HALE, of Chicago.

d. Review of Dr. DREYER's "Life of TYCHO BRAHE," by TORVALD KÖHL, of Denmark.

e. The Period of the Rotation of the Sun near the Poles, as derived from the Coronas of 1878 and 1889, by Prof. F. H. BIGELOW, of Washington, D. C.

f. The Visibility of Interference-Fringes in the Focus of the Telescope, by Professor MICHELSON, of Worcester, Mass.

g. Observations of the Transit of *Mercury*, May 9th, 1891, by Messrs. BURCKHALTER, MOSES and PIERSON (Oakland and San Francisco); by Messrs. HOLDEN, BURNHAM, SCHAEBERLE, KEELER and BARNARD (Mt. Hamilton); by Professor SOULÉ (Berkeley); Professor GEORGE (San Jose); General IRISH (Reno, Nevada); Mr. PARMLEY (Ogden, Utah), and others.

Professor TREAT, of Napa College, was kind enough to read a paper by Professor PRITCHETT on the Photographs of the Total Solar Eclipse

of January 1, 1889, taken by the party of the Washington University of St. Louis. An enlarged picture of this corona from Professor PRITCHETT'S negatives was exhibited to the meeting. Professor HOLDEN explained to the Society the work which was being done by Professor WEINEK, of Prague, in enlarging the photographs of the Moon taken with the great telescope and in making drawings from them. (See a note by Professor WEINEK in the present number.) Adjourned.

MINUTES OF THE FIFTH AND SIXTH MEETINGS OF THE CHICAGO
SECTION A. S. P., APRIL 7 AND MAY 5, 1891.

The *fifth* regular meeting of the Chicago Section of the A. S. P. was held Tuesday evening, April 7, 1891, at the Sherman House, Chicago.

Mr. DOUGLASS was in the chair. The minutes of the last meeting were accepted as read. As no business required attention, Prof. G. W. HOUGH gave an interesting lecture on "The Stellar Universe." The meeting then adjourned.

The *sixth* regular meeting of the Chicago Section of the A. S. P. was held Tuesday evening, May 5, 1891, at the Kenwood Physical Observatory, Chicago. After inspecting the instruments of the observatory and observing *Saturn* with the 12-inch equatorial, the members were called to order in the library by Chairman DOUGLASS. The minutes of the last meeting were accepted as read.

GEORGE E. HALE then gave an account of the methods used in solar observations, and described some spectroscopic phenomena recently observed and photographed at the Kenwood Observatory. The remarks were illustrated with an optical lantern. During the evening a photograph of the region around *Coma Berenices* was made with a camera strapped to the tube of the 12-inch equatorial, and provided with a short focus portrait lens.

Rev. H. O. HOFFMAN, Bloomington, Ill., has been added to the list of members of the Chicago Section, A. S. P. Adjourned.

GEORGE E. HALE, Secretary.